

CRF Errors Corrected by the STIC System Branch

PCT/10 11
CRF Processing Date: 8/12/2012
Edited by: K
Verified by: _____ (STIC staff)

Serial Number: 10/030,306

- Changed a file from non-ASCII to ASCII **ENTERED**
- Changed the margins in cases where the sequence text was "wrapped" down to the next line.
- Edited a format error in the Current Application Data section, specifically:
- Edited the Current Application Data section with the actual current number. The number inputted by the applicant was the prior application data; or other _____.
- Added the mandatory heading and subheadings for "Current Application Data".
- Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.
- Changed the spelling of a mandatory field (the headings or subheadings), specifically:
- Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
- Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: 25
- Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.
- Inserted colons after headings/subheadings. Headings edited included:
- Deleted extra, invalid, headings used by an applicant, specifically:
- Deleted: non-ASCII "garbage" at the beginning/end of files; secretary initials/filename at end of file;
 page numbers throughout text; other invalid text, such as _____.
- Inserted mandatory headings, specifically:
- Corrected an obvious error in the response, specifically:
- Edited identifiers where upper case is used but lower case is required, or vice versa.
- Corrected an error in the Number of Sequences field, specifically:
- A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.
- Deleted **ending** stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: _____
- Other: _____

*Examiner: The above corrections must be communicated to the applicant in the first Office
 Action. DO NOT send a copy of this form.



PCT10

RAW SEQUENCE LISTING DATE: 08/07/2002
PATENT APPLICATION: US/10/030,306 TIME: 19:25:14

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

50	Glu	Ala	Thr	Ala	Glu	Leu	Thr	Val	Ser	Phe	Thr	Asn	Glu	Val	Phe	Thr
51	225				230				235							240
52	Thr	Glu	Thr	Ser	Arg	Ser	Ile	Thr	Ala	Ser	Pro	Lys	Glu	Ser	Asp	Ser
53					245				250							255
54	Pro	Ala	Gly	Pro	Ala	Arg	Gln	Tyr	Tyr	Thr	Lys	Gly	Asn	Leu	Val	Arg
55					260				265							270
56	Ile	Cys	Leu	Gly	Ala	Val	Ile	Leu	Ile	Ile	Leu	Ala	Gly	Phe	Leu	Ala
57		275				280				285						
58	Glu	Asp	Trp	His	Ser	Arg	Arg	Lys	Arg	Leu	Arg	His	Arg	Gly	Arg	Ala
59			290			295				300						
60	Val	Gln	Arg	Pro	Leu	Pro	Pro	Leu	Pro	Pro	Leu	Pro	Leu	Thr	Arg	Lys
61	305				310				315							320
62	Ser	His	Gly	Gly	Gln	Asp	Gly	Gly	Arg	Gln	Asp	Val	His	Ser	Arg	Gly
63					325				330							335
64	Leu	Cys	Ser													
67	<210>	SEQ	ID	NO:	2											
68	<211>	LENGTH:	487													
69	<212>	TYPE:	PRT													
70	<213>	ORGANISM:	Homo sapiens													
72	<400>	SEQUENCE:	2													
73	Met	Ala	Ser	Ser	Ala	Glu	Gly	Asp	Glu	Gly	Thr	Val	Val	Ala	Leu	Ala
74					1			5		10						15
75	Gly	Val	Leu	Gln	Ser	Gly	Phe	Gln	Glu	Leu	Ser	Leu	Asn	Lys	Leu	Ala
76							20			25						30
77	Thr	Ser	Leu	Gly	Ala	Ser	Glu	Gln	Ala	Leu	Arg	Leu	Ile	Ile	Ser	Ile
78							35		40		45					
79	Phe	Leu	Gly	Tyr	Pro	Phe	Ala	Leu	Phe	Tyr	Arg	His	Tyr	Leu	Phe	Tyr
80						50			55		60					
81	Lys	Glu	Thr	Tyr	Leu	Ile	His	Leu	Phe	His	Thr	Phe	Thr	Gly	Leu	Ser
82						65			70		75					80
83	Ile	Ala	Tyr	Phe	Asn	Phe	Gly	Asn	Gln	Leu	Tyr	His	Ser	Leu	Cys	
84						85				90						95
85	Ile	Val	Leu	Gln	Phe	Leu	Ile	Leu	Arg	Leu	Met	Gly	Arg	Thr	Ile	Thr
86						100				105						110
87	Ala	Val	Leu	Thr	Thr	Phe	Cys	Phe	Gln	Met	Ala	Tyr	Leu	Leu	Ala	Gly
88						115			120		125					
89	Tyr	Tyr	Tyr	Thr	Ala	Thr	Gly	Asn	Tyr	Asp	Ile	Lys	Trp	Thr	Met	Pro
90						130			135		140					
91	His	Cys	Val	Leu	Thr	Leu	Lys	Leu	Ile	Gly	Leu	Ala	Val	Asp	Tyr	Phe
92							145		150		155					160
93	Asp	Gly	Gly	Lys	Asp	Gln	Asn	Ser	Leu	Ser	Ser	Glu	Gln	Lys	Tyr	
94							165			170						175
95	Ile	Ala	Arg	Gly	Val	Pro	Ser	Leu	Leu	Glu	Val	Ala	Gly	Phe	Ser	Tyr
96						180			185							190
97	Phe	Tyr	Gly	Ala	Phe	Leu	Val	Gly	Pro	Gln	Phe	Ser	Met	Asn	His	Tyr
98						195			200							205
99	Met	Lys	Leu	Val	Gln	Gly	Glu	Leu	Ile	Asp	Ile	Pro	Gly	Lys	Ile	Pro
100						210			215		220					
101	Asn	Ser	Ile	Ile	Pro	Ala	Leu	Lys	Arg	Leu	Ser	Leu	Gly	Leu	Phe	Tyr

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

102	225	230	235	240
103	Leu Val Gly Tyr Thr Leu Leu Ser Pro His Ile Thr Glu Asp Tyr Leu		250	255
104	245			
105	Leu Thr Glu Asp Tyr Asp Asn His Pro Phe Trp Phe Arg Cys Met Tyr	260	265	270
106				
107	Met Leu Ile Trp Gly Lys Phe Val Leu Tyr Lys Tyr Val Thr Cys Trp	280	285	
108	275			
109	Leu Val Thr Glu Gly Val Cys Ile Leu Thr Gly Leu Gly Phe Asn Gly	295	300	
110	290			
111	Phe Glu Glu Lys Gly Lys Ala Lys Trp Asp Ala Cys Ala Asn Met Lys	310	315	320
112	305			
113	Val Trp Leu Phe Glu Thr Asn Pro Arg Phe Thr Gly Thr Ile Ala Ser	330	335	
114	325			
115	Phe Asn Ile Asn Thr Asn Ala Trp Val Ala Arg Tyr Ile Phe Lys Arg	345	350	
116	340			
117	Leu Lys Phe Leu Gly Asn Lys Glu Leu Ser Gln Gly Leu Ser Leu Leu	360	365	
118	355			
119	Phe Leu Ala Leu Trp His Gly Leu His Ser Gly Tyr Leu Val Cys Phe	375	380	
120	370			
121	Gln Met Glu Phe Leu Ile Val Ile Val Glu Arg Gln Ala Ala Arg Leu	390	395	400
122	385			
123	Ile Gln Glu Ser Pro Thr Leu Ser Lys Leu Ala Ala Ile Thr Val Leu	410	415	
124	405			
125	Gln Pro Phe Tyr Tyr Leu Val Gln Gln Thr Ile His Trp Leu Phe Met	425	430	
126	420			
127	Gly Tyr Ser Met Thr Ala Phe Cys Leu Phe Thr Trp Asp Lys Trp Leu	440	445	
128	435			
129	Lys Val Tyr Lys Ser Ile Tyr Phe Leu Gly His Ile Phe Phe Leu Ser	455	460	
130	450			
131	Leu Leu Phe Ile Leu Pro Tyr Ile His Lys Ala Met Val Pro Arg Lys	470	475	480
132	465			
133	Glu Lys Leu Lys Lys Met Glu			
134	485			
135	<210> SEQ ID NO: 3			
137	<211> LENGTH: 262			
138	<212> TYPE: PRT			
139	<213> ORGANISM: Homo sapiens			
141	<400> SEQUENCE: 3			
142	Met Ala Ala Ala Ser Ala Gly Ala Thr Arg Leu Leu Leu Leu Leu	5	10	15
143	1			
144	Met Ala Val Ala Ala Pro Ser Arg Ala Arg Gly Ser Gly Cys Arg Ala	20	25	30
145				
146	Gly Thr Gly Ala Arg Gly Ala Gly Ala Glu Gly Arg Glu Gly Glu Ala	35	40	45
147				
148	Cys Gly Thr Val Gly Leu Leu Leu Glu His Ser Phe Glu Ile Asp Asp	55	60	
149	50			
150	Ser Ala Asn Phe Arg Lys Arg Gly Ser Leu Leu Trp Asn Gln Gln Asp	70	75	80
151	65			
152	Gly Thr Leu Ser Leu Ser Gln Arg Gln Leu Ser Glu Glu Arg Gly			

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Input Set : A:\PTO.AMC.txt
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153	85	90	95
154	Arg Leu Arg Asp Val Ala Ala Leu Asn Gly Leu Tyr Arg Val Arg Ile		
155	100	105	110
156	Pro Arg Arg Pro Gly Ala Leu Asp Gly Leu Glu Ala Gly Gly Tyr Val		
157	115	120	125
158	Ser Ser Phe Val Pro Ala Cys Ser Leu Val Glu Ser His Leu Ser Asp		
159	130	135	140
160	Gln Leu Thr Leu His Val Asp Val Ala Gly Asn Val Val Gly Val Ser		
161	145	150	155
162	Val Val Thr His Pro Gly Gly Cys Arg Gly His Glu Val Glu Asp Val		
163	165	170	175
164	Asp Leu Glu Leu Phe Asn Thr Ser Val Gln Leu Gln Pro Pro Thr Thr		
165	180	185	190
166	Ala Pro Gly Pro Glu Thr Ala Ala Phe Ile Glu Arg Leu Glu Met Glu		
167	195	200	205
168	Gln Ala Gln Lys Ala Lys Asn Pro Gln Glu Gln Lys Ser Phe Phe Ala		
169	210	215	220
170	Lys Tyr Trp Met Tyr Ile Ile Pro Val Val Leu Phe Leu Met Met Ser		
171	225	230	235
172	Gly Ala Pro Asp Thr Gly Gly Gln Gly Gly Gly Gly Gly Gly Gly		
173	245	250	255
174	Gly Gly Gly Ser Gly Arg		
175	260		
177	<210> SEQ ID NO: 4		
178	<211> LENGTH: 166		
179	<212> TYPE: PRT		
180	<213> ORGANISM: Homo sapiens		
182	<400> SEQUENCE: 4		
183	Met Gln Pro Val Pro Gly Pro Leu Gly Leu Leu Asp Pro Ala Glu		
184	1	5	10
185	Gly Leu Ser Arg Arg Lys Lys Thr Ser Leu Trp Phe Val Gly Ser Leu		
186	20	25	30
187	Leu Leu Val Ser Val Leu Ile Val Thr Val Gly Leu Ala Ala Thr Thr		
188	35	40	45
189	Arg Thr Glu Asn Val Thr Val Gly Gly Tyr Tyr Pro Gly Ile Ile Leu		
190	50	55	60
191	Gly Phe Gly Ser Phe Leu Gly Ile Ile Gly Ile Asn Leu Val Glu Asn		
192	65	70	75
193	Arg Arg Gln Met Leu Val Ala Ala Ile Val Phe Ile Ser Phe Gly Val		
194	85	90	95
195	Val Ala Ala Phe Cys Cys Ala Ile Val Asp Gly Val Phe Ala Ala Gln		
196	100	105	110
197	His Ile Glu Pro Arg Pro Leu Thr Thr Gly Arg Cys Gln Phe Tyr Ser		
198	115	120	125
199	Ser Gly Val Gly Tyr Leu Tyr Asp Val Tyr Gln Thr Glu Val Ser Arg		
200	130	135	140
201	Ser Thr Glu Ile His Val Gly Phe Ala Gln Leu Thr Pro Pro Thr Pro		
202	145	150	155
203	Arg Gly Phe Pro Cys Thr		

RAW SEQUENCE LISTING
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TIME: 19:25:15

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

204 165
 206 <210> SEQ ID NO: 5
 207 <211> LENGTH: 416
 208 <212> TYPE: PRT
 209 <213> ORGANISM: Homo sapiens
 211 <400> SEQUENCE: 5
 212 Met Ser Glu Ala Asp Gly Leu Arg Gln Arg Arg Pro Leu Arg Pro Gln 15
 213 1 5 10 15
 214 Val Val Thr Asp Asp Asp Gly Gln Ala Pro Glu Ala Lys Asp Gly Ser 30
 215 20 25 30
 216 Ser Phe Ser Gly Arg Val Phe Arg Val Thr Phe Leu Met Leu Ala Val 45
 217 35 40 45
 218 Ser Leu Thr Val Pro Leu Leu Gly Ala Met Met Leu Leu Glu Ser Pro 60
 219 50 55 60
 220 Ile Asp Pro Gln Pro Leu Ser Phe Lys Glu Pro Pro Leu Leu Leu Gly 80
 221 65 70 75 80
 222 Val Leu His Pro Asn Thr Lys Leu Arg Gln Ala Glu Arg Leu Phe Glu 95
 223 85 90 95
 224 Asn Gln Leu Val Gly Pro Glu Ser Ile Ala His Ile Gly Asp Val Met 110
 225 100 105 110
 226 Phe Thr Gly Thr Ala Asp Gly Arg Val Val Lys Leu Glu Asn Gly Glu 125
 227 115 120 125
 228 Ile Glu Thr Ile Ala Arg Phe Gly Ser Gly Pro Cys Lys Thr Arg Asp 140
 229 130 135 140
 230 Asp Glu Pro Val Cys Gly Arg Pro Leu Gly Ile Arg Ala Gly Pro Asn 160
 231 145 150 155
 232 Gly Thr Leu Phe Val Ala Asp Ala Tyr Lys Gly Leu Phe Glu Val Asn 175
 233 165 170 175
 234 Pro Trp Lys Arg Glu Val Lys Leu Leu Ser Ser Glu Thr Pro Ile 190
 235 180 185 190
 236 Glu Gly Lys Asn Met Ser Phe Val Asn Asp Leu Thr Val Thr Gln Asp 205
 237 195 200 205
 238 Gly Arg Lys Ile Tyr Phe Thr Asp Ser Ser Lys Trp Gln Arg Arg 220
 239 210 215 220
 240 Asp Tyr Leu Leu Leu Val Met Glu Gly Thr Asp Asp Gly Arg Leu Leu 240
 241 225 230 235
 242 Glu Tyr Asp Thr Val Thr Arg Glu Val Lys Val Leu Leu Asp Gln Leu 255
 243 245 250 255
 244 Arg Phe Pro Asn Gly Val Gln Leu Ser Pro Ala Glu Asp Phe Val Leu 270
 245 260 265 270
 246 Val Ala Glu Thr Thr Met Ala Arg Ile Arg Arg Val Tyr Val Ser Gly 285
 247 275 280 285
 248 Leu Met Lys Gly Gly Ala Asp Leu Phe Val Glu Asn Met Pro Gly Phe 300
 249 290 295 300
 250 Pro Asp Asn Ile Arg Pro Ser Ser Ser Gly Gly Tyr Trp Val Gly Met 320
 251 305 310 315
 252 Ser Thr Ile Arg Pro Asn Pro Gly Phe Ser Met Leu Asp Phe Leu Ser 335
 253 325 330 335
 254 Glu Arg Pro Trp Ile Lys Arg Met Ile Phe Lys Leu Phe Ser Gln Glu

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/030,306

DATE: 08/07/2002
TIME: 19:25:16

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\08072002\J030306.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application No
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date